

Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	Not Yet Assigned 10/74889		
		Filing Date	HEREWITH 12/21/03		
		First Named Inventor	HUIBERS		
		Art Unit	Not Yet Assigned 2873		
		Examiner Name	Not Yet Assigned D. SPECTOR		
Sheet	1	of	5	Attorney Docket Number	P142-US

U.S. PATENT DOCUMENTS						
Examiner Initials ²	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ³ (if known)			
DS	AA	US-	3,517,126	06-23-1970	Yamada et al.	
	AB	US-	3,553,364	01-05-1971	Lee	
	AC	US-	3,600,798	08-24-1971	Lee	
	AD	US-	3,678,196	07-18-1972	Roth	
	AE	US-	3,746,785	07-17-1973	Goodrich	
	AF	US-	3,746,911	07-17-1973	Nathanson et al.	
	AG	US-	3,886,310	05-27-1975	Guldborg et al.	
	AH	US-	4,229,732	10-21-1980	Hartstein et al.	
	AI	US-	4,356,730	11-02-1982	Cade	
	AJ	US-	4,383,255	05-10-1983	Grandjean et al.	
	AK	US-	4,403,248	09-06-1983	Te Velde	
	AL	US-	4,492,435	01-08-1985	Banton et al.	
	AM	US-	4,566,935	01-28-1986	Hombeck	
	AN	US-	4,571,603	02-18-1986	Hombeck et al.	
	AO	US-	4,592,628	06-03-1986	Altman et al.	
	AP	US-	4,596,992	06-24-1986	Hombeck	
	AQ	US-	4,662,746	05-05-1987	Hombeck	
	AR	US-	4,680,579	07-14-1987	Ott	
	AS	US-	4,698,602	10-06-1987	Armitage	
	AT	US-	4,710,732	12-01-1987	Hombeck	

FOREIGN PATENT DOCUMENTS							
Examiner Initials ²	Cite ¹ No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	-Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
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Substitute for form 1449A/PTO				Compl t if Known Application Number Not Yet Assigned 107748 899 Filing Date HEREWITH 12/29/03 First Named Inventor HUIBERS Art Unit Not Yet Assigned 2873 Examiner Name Not Yet Assigned D. SPECTOR Attorney Docket Number P142-US	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)					
Sheet	2	of	5		

U.S. PATENT DOCUMENTS					
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		Number - Kind Code ² (If known)			
DdS	AU	US- 4,786,149	11-22-1988	Hoernig et al.	
	AV	US- 4,805,038	02-14-1989	Seliqson	
	AW	US- 4,954,789	09-04-1990	Sampsell	
	AX	US- 4,956,619	09-11-1990	Hambeck	
	AY	US- 4,998,262	03-05-1991	Wiggers	
	AZ	US- 5,061,049	10-29-1991	Horbeck	
	BA	US- 5,078,479	01-07-1992	Vuilleumier	
	BB	US- 5,085,497	02-04-1992	Um et al	
	BC	US- 5,196,767	03-23-1993	Leand et al.	
	BD	US- 5,216,537	06-10-1993	Hambeck	
	BE	US- 5,287,215	02-15-1994	Warde et al.	
	BF	US- 5,311,360	05-10-1994	Bloom et al.	
	BG	US- 5,416,514	05-16-1995	Janssen et al.	
	BH	US- 5,442,414	08-15-1995	Janssen et al.	
	BI	US- 5,444,566	08-22-1995	Gale et al.	
	BJ	US- 5,448,314	09-05-1995	Heimbuch et al.	
	BK	US- 5,452,024	09-19-1995	Sampsell	
	BL	US- 5,471,341	11-28-1995	Warde et al.	
	BM	US- 5,493,439	02-20-1996	Engle	
	BN	US- 5,508,738	04-16-1996	Janssen et al.	

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				Art Unit	Not Yet Assigned 2873
				Examiner Name	Not Yet Assigned D. SPEER
				Attorney Docket Number	P142-US

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Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	Not Yet Assigned 10/748 899	
			Filing Date	HEREWITH 12/24/03	
			First Named Inventor	HUIBERS	
			Group Art Unit	Not Yet Assigned 2813	
			Examiner Name	Not Yet Assigned D. SRECH	
Sheet	5	of	5	Attorney Docket Number	P142-US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DIS	DA	JAECKLIN, "Line-Addressable Torsional Micromirrors for Light Modulator Arrays", Sensor and Actuators A, 41-42, Elsevier Science, pp. 324-329.	
DIS	DB	GERHARD-MULTHAUPT et al., "Light-Valve Projection Displays - An Introduction", Displays, Vol. 16, No. 1, 1995, Elsevier Science B.V., pp. 5-7.	
DIS	DC	GERHARD-MULTHAUPT, "Light-Valve Technologies for High-Definition Television Projection Displays", Displays, 1991, Vol. 12, No. 3/4, pp. 115-128.	
DIS	DD	PETERSON, K.E., "Micromechanical Light Modulator Array Fabricated on Silicon", Applied Physics Letters, American Institute of Physics, Vol. 31 No. 8, 15 October 1977, pp. 521-523.	
DIS	DE	CADMAN et al., "New Micromechanical Display Using Metallic Thin Films", IEEE Electron Device Letters, Jan. 1983, Vol. EDL-4 No.1, pp. 3-4.	
DIS	DF	THOMAS et al., "The Mirror Matrix Tube: A Novel Light Valve for Projection Displays", IEEE Transactions on Electron Devices, Vol. Ed-22 No.9, September 1975, pp. 765-775.	
DIS	DG	HORNBECK, "Digital Light Processing (TM) for High-Brightness, High Resolution Applications", Texas Instruments, Inc., date unknown, pp. 1-14.	
DIS	DH	YODER, "The Digital Display Technology of the Future", Texas Instruments, Inc., date unknown, pp. 1-11.	
DIS	DI	PETERSON, "Silicon Torsional Scanning Mirror", IBM J. Res. Develop., Vol. 24 No. 5, September 1980 pp. 631-637.	

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